06928440 ROUBIDOUX SPRING AT WAYNESVILLE, MO

(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°49'30", long 92°11'53", NE 1/4 NW 1/4 sec.25 T.36 N., R.12 W., Pulaski County, Hydrologic Unit 10290201. Take Business Loop 44 through Waynesville, turn south along river and follow up to spring.

PERIOD OF RECORD.--November 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as $CaCO_3$) (00410)
NOV 1996											
18...	1230	146	13.0	283	7.83	8.6	82	--	180	47	137
JAN 1997											
16...	1230	75	10.5	343	7.63	10.3	91	<10	200	K2	171
MAR											
17...	1615	176	10.5	224	7.22	9.0	80	--	120	140	105
APR											
02...	1345	165	11.5	271	7.72	8.9	80	--	K8	K12	132
JUN											
09...	1335	86	15.0	311	7.51	8.2	81	7	30	54	154
AUG											
22...	1055	57	16.0	395	7.18	5.9	59	--	300	400	191

DATE	BICAR-BONATE WATER WH IT FIELD (mg/L as HCO_3) (00450)	CAR-BONATE WATER WH IT FIELD (mg/L as CO_3) (00447)	NITRO-GEN, NO_2+NO_3 TOTAL (mg/L as N) (00630)	NITRO-GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO-GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS-PHORUS TOTAL (mg/L as P) (00665)	PHOS-PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD-NESS TOTAL (mg/L as $CaCO_3$) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
NOV 1996										
18...	167	0	0.680	<0.010	0.020	<0.20	<0.020	0.010	--	--
JAN 1997										
16...	210	0	0.250	<0.010	<0.010	<0.20	<0.020	<0.010	170	35
MAR										
17...	126	0	0.460	<0.010	<0.010	0.40	<0.020	0.010	--	--
APR										
02...	163	0	0.250	<0.010	<0.010	<0.20	0.030	0.010	--	--
JUN										
09...	191	0	0.250	<0.010	<0.010	0.28	<0.020	<0.010	170	34
AUG										
22...	234	0	0.390	<0.010	0.010	<0.20	<0.020	0.010	--	--

DATE	MAGNE-SIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTAS-SIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE DIS-SOLVED (mg/L as SO_4) (00945)	CHLO-RIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUO-RIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (mg/L) (00530)	ALUM-INUM, TOTAL RECOV-ERABLE (µg/L as Al) (01105)	ALUM-INUM, DIS-SOLVED (µg/L as Al) (01106)
JAN 1997										
16...	21	2.7	1.3	7.9	14	<0.10	188	<1	30	5.0
JUN										
09...	20	2.0	1.4	6.7	3.7	<0.10	172	3	60	9.0

DATE	CADMIUM TOTAL RECOV-ERABLE (µg/L as Cd) (01027)	CADMIUM DIS-SOLVED (µg/L as Cd) (01025)	COPPER, DIS-SOLVED (µg/L as Cu) (01040)	IRON, DIS-SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV-ERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGA-NESE, DIS-SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV-ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV-ERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN 1997										
16...	<1	<1.0	<1.0	9.0	1	<1.0	0.80	<0.10	4	<1.0
JUN										
09...	<1	<1.0	<1.0	5.0	<1	<1.0	1.2	<0.10	<1	<1.0

K--Results based on colony count outside the acceptable range (non-ideal colony count).